

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

- 1 (Currently Amended) A method for the post-treatment of a photovoltaic cell, the photovoltaic cell comprising a photoactive layer and two metal electrodes, the photoactive layer comprising composed of two molecular components, specifically an electron donor and an electron acceptor, particularly a conjugated polymer component and a fullerene component, and the two metal electrodes provided on either side of said the photoactive layer, the method comprising:
subjecting the said photovoltaic cell being subjected to heat treatment above the a glass transition temperature of said electron donor the conjugated polymer for a predetermined treatment time, characterized in that said the heat treatment of said the photovoltaic cell is being carried out for at least a portion of said the treatment time under the influence of an electric field induced by a field voltage applied to the electrodes of said the photovoltaic cell and exceeding the a no-load voltage thereof.
2. (Currently Amended) The method according to claim 1, ~~characterized in that said~~ wherein the electric field is induced by means of via a field voltage that exceeds the no-load voltage of said the photovoltaic cell by at least 1 V.
3. (Currently Amended) The method according to claim 2, ~~characterized in that said~~ wherein the field voltage is selected to be between 2.5 and 3 V.
4. (Currently Amended) The method according to ~~one of claims 1 to 3~~ claim 1, ~~characterized in that said wherein the photovoltaic cell is subjected for a treatment time of between 2 and 8 min, preferably between 4 and 5 min,~~ to heat treatment under the influence of an electric field.

5. (New) The method of claim 2, wherein the photovoltaic cell is subjected for between 2 minutes and 8 minutes to heat treatment under the influence of an electric field.
6. (New) The method of claim 3, wherein the photovoltaic cell is subjected for of between 2 minutes and 8 minutes to heat treatment under the influence of an electric field.
7. (New) The method of claim 1, wherein the photovoltaic cell is subjected for between 4 minutes and 4 minutes to heat treatment under the influence of an electric field.
8. (New) The method of claim 2, wherein the photovoltaic cell is subjected for between 4 minutes and 5 minutes to heat treatment under the influence of an electric field.
9. (New) The method of claim 3, wherein the photovoltaic cell is subjected for between 4 minutes and 5 minutes to heat treatment under the influence of an electric field.
10. (New) A method of treating a photovoltaic cell, the method comprising:
heating the photovoltaic cell for a period of time; and
simultaneously subjecting the photovoltaic cell to an electric field,
wherein the photovoltaic cell comprises:
a first electrode;
a second electrode; and a photoactive layer between the first and second
electrodes.
11. (New) The method of claim 10, wherein the photoactive layer comprises an electron donor and an electron acceptor.
12. (New) The method of claim 11, wherein the photovoltaic cell is heated to above a glass transition temperature of the electron donor.

13. (New) The method of claim 10, wherein the electric field is formed by applying a field voltage to the first and second electrodes.

14. (New) The method of claim 13, wherein the electric field exceeds a no-load voltage of the photovoltaic cell.

15. (New) The method of claim 14, wherein the electric field exceeds the no-load voltage by at least 1V.

16. (New) The method of claim 13, wherein the electric field is between 2.5V and 3V.

17. (New) The method of claim 13, wherein the period of time is between 2 minutes and 8 minutes.

18. (New) The method of claim 13, wherein the period of time is between 4 minutes and 5 minutes.

19. (New) A method of treating a photovoltaic cell, the method comprising:
heating the photovoltaic cell for between 2 and 8 minutes; and
simultaneously subjecting the photovoltaic cell to an electric field,
wherein the photovoltaic cell comprises:
a first electrode;
a second electrode; and a photoactive layer between the first and second
electrodes;
the electric field is formed by applying a field voltage to the first and second electrodes;
and
the electric field exceeds a no-load voltage of the photovoltaic cell.

20. (New) The method of claim 19, wherein the photoactive layer comprises an electron donor and an electron acceptor.
21. (New) The method of claim 20, wherein the photovoltaic cell is heated to above a glass transition temperature of the electron donor.
22. (New) The method of claim 19, wherein the electric field exceeds the no-load voltage by at least 1V.
23. (New) The method of claim 19, wherein the photovoltaic cell is heated for between 4 minutes and 5 minutes.
24. (New) A method of treating a photovoltaic cell, the method comprising:
heating the photovoltaic cell for a period of time; and
simultaneously injecting charge carriers into the photovoltaic cell,
wherein the photovoltaic cell comprises:
a first electrode;
a second electrode; and a photoactive layer between the first and second
electrodes; and
the charge carriers are injected into the photovoltaic cell via at least one electrode
selected from the group consisting of the first electrode and the second electrode.